

MONTHLY WEATHER REVIEW.

Editor: Prof. CLEVELAND ABBE.

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ANNUAL SUMMARY, 1900.

No. 13

INTRODUCTION.

The present Summary for 1900 is based essentially upon data received from about 160 regular stations, 28 regular Canadian stations, and a number of voluntary stations whose annual summaries were received in time. A revised chart of total annual precipitation will be published in the Annual Report of the Chief of the Weather Bureau when the data from all voluntary stations have been received. The statis-

tical tables and charts have been prepared under the supervision of Prof. A. J. Henry, Chief of the Division of Meteorological Records. The tables of movements of high and low areas and the summary of flood movements have been prepared by Dr. H. C. Frankenfield, Forecast Official.

Annual summaries were not received from all West Indian stations in time for use in this report.

FORECAST DIVISION.

Prof. E. B. GARRIOTT, in charge.

HIGHS AND LOWS OF 1900.

The high and low data for the year 1900 have been compiled under the general plan in use since 1895, and, with the exception of an increase in the velocity of movement during the winter months, they differed very slightly in their general features from those of the preceding five years.

The tables herewith give the summary for each month of the year 1900, and likewise a summary for the six years from 1895 to 1900, inclusive.

Summary of highs and lows, 1900.

Month.	Highs.						Lows.					
	Mean first observed.		Mean last observed.		Path, average.		Mean first observed.		Mean last observed.		Path, average.	
	Lat. N.	Long. W.	Lat. N.	Long. W.	Length.	Duration, days.	Lat. N.	Long. W.	Lat. N.	Long. W.	Length.	Duration, days.
Jan.....	46	110	41	72	2,884	3.6	46	108	46	71	2,266	2.6
Feb.....	48	108	41	81	2,017	3.0	43	111	45	76	2,520	3.1
Mar.....	48	107	40	81	1,790	2.5	42	108	43	67	2,574	3.3
Apr.....	42	108	44	92	1,469	2.5	43	106	47	86	2,217	3.9
May.....	49	104	89	82	1,514	2.3	44	104	45	76	1,781	2.4
June.....	46	113	42	67	2,825	4.3	46	107	44	72	2,195	4.7
July.....	38	112	46	75	2,043	3.5	48	110	47	74	2,087	3.2
Aug.....	49	100	45	71	1,619	3.2	46	100	45	71	1,581	2.6
Sept.....	49	113	46	66	2,712	4.4	40	104	48	66	2,935	5.4
Oct.....	46	112	42	67	2,790	4.6	42	106	47	83	1,639	2.8
Nov.....	47	108	40	73	2,224	3.2	45	100	43	70	1,781	2.8
Dec.....	46	103	39	73	1,882	3.1	44	110	43	64	2,799	3.7
Means..	46	108	42	75	2,147	3.4	44	106	45	73	2,198	3.4

Summary, 1895 to 1900, inclusive.

Year.	Highs.					Lows.				
	Mean first observed.		Mean last observed.		Hourly velocity.	Mean first observed.		Mean last observed.		Hourly velocity.
	Lat. N.	Long. W.	Lat. N.	Long. W.		Lat. N.	Long. W.	Lat. N.	Long. W.	
1895.....	47	110	39	80	Miles 24	45	107	45	79	Miles 26
1896.....	48	111	42	75	24	46	111	46	46	26
1897.....	48	113	38	73	24	46	110	46	46	26
1898.....	46	114	40	84	24	45	111	46	46	26
1899.....	47	114	41	72	24	44	111	46	46	27
1900.....	46	108	42	73	24	44	106	45	73	27
Mean ..	47	112	40	75	25	45	109	46	71	27

H. C. Frankenfield, Forecast Official.

RIVER AND FLOOD SERVICE.

During the year the River and Flood Service has been steadily extended and improved. Eight new special river stations were established and one discontinued. Eleven special rainfall stations were also established and one discontinued. Twelve river gages were installed during the year and many others put in thorough repair. Telegraphic service was extended to many places along the great rivers, and numerous business interests, especially those pertaining to river navigation, now enjoy the benefits of improved service not formerly attainable. The flood service was extended into Texas by the inauguration in August of the Brazos River